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## AMENDMENTS TO THE CLAIMS

Please amend claim 1 as follows:

 (Currently amended) A process for converting a hydrocarbon feed stream comprising:

passing a reformulation feed stream including saturated and olefinic

hydrocarbons with carbon numbers of 5-8 to a reformulating reactor

containing catalyst particles having a composition including crystalline

alumina silicate or zeolite;

reformulating said reformulation feed stream in said reformulating reactor to produce a reformulated product stream, said reformulating proceeding at conditions that promote at least a 5% net yield increase in aromatics on a fresh reformulation feed basis indicating the occurrence of hydrogen transfer reactions; and

recovering said reformulated product stream.

2. (Original) The process of claim 1 wherein said reformulation feed stream is prepared by:

cracking a preliminary cracking feed stream with catalyst particles in a cracking reactor to produce a cracked product, said catalyst particles in said cracking reactor having a same composition as the catalyst particles in said reformulating reactor;

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recovering at least a portion of said cracked product stream to be said reformulation feed stream.

- 3. (Original) The process of claim 2 further including isolating said reformulated product stream from said cracked product stream.
- 4. (Original) The process of claim 2 further comprising the step of cycling catalyst particles that had previously resided in said cracking reactor to said reformulating reactor.
- 5. (Original) The process of claim 1 wherein a greater proportion of hydrocarbons with carbon numbers of 5-8 undergo hydrogen transfer reaction than cracking reaction.
- 6. (Original) The process of claim 1 wherein olefins in said reformulation feed stream convert to isoparaffins in the reformulating reactor.
- 7. (Original) The process of claim 1 wherein the concentration of sulfur compounds in the reformulated product stream is less than its concentration in the reformulation feed stream.
- 8. (Original) The process of claim 1 wherein the concentration of nitrogen compounds in the reformulated product stream is less than its concentration in the reformulation feed stream.
- 9. (Original) The process of claim 1 wherein the reformulation feed stream has an initial boiling point below about 200°C (392°F).
  - 10. (Original) A process for converting a hydrocarbon feed stream comprising:

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separating said cracked product from said catalyst particles in a vessel to obtain a cracked product stream;

recovering a naphtha stream from said cracked product stream, said naphtha stream having an initial boiling point below 127°C (260°F);

contacting said naphtha stream with catalyst particles having said composition in  $\varepsilon$ .

second reactor to produce an upgraded product stream; and
recovering said upgraded product stream and isolating said upgraded product
stream from said cracked product stream.

- 11. (Original) The process of claim 10 wherein hydrogen transfer reactions predominate over cracking reactions in the second reactor
- 12. (Original) The process of claim 10 wherein olefins convert to aromatics in the second reactor.
- 13. (Original) The process of claim 10 wherein olefins convert to isoparaffins in the secondary reactor.
- 14. (Original) The process of claim 10 wherein the concentration of sulfur compounds in the upgraded product stream is 50% less than its concentration in the naphtha stream.
- 15. (Original) The process of claim 10 wherein said naphtha stream has an end point below 230°C (446°F).
  - 16. (Original) The process of claim 10 wherein said catalyst particles in said

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- contacting said hydrocarbon feed stream with catalyst particles having a composition in a first reactor to produce a cracked product;
- separating said cracked product from said catalyst particles in a vessel to obtain a cracked product stream;
- recovering an oil stream from said cracked product stream having an initial boiling; point above about 200°C (392°F);
- cycling catalyst particles that had resided in said first reactor to a second reactor, said second reactor being discrete from said vessel;
- contacting said oil stream with catalyst particles in a second reactor to produce an upgraded product stream; and
- recovering said upgraded product stream and isolating said upgraded product stream from said cracked product stream.
- 18. (Original) The process of claim 17 further comprising the step of hydrotreating said oil stream.
- 19. (Original) The process of claim 17 wherein no hydrogen is added to the second reactor.
- 20. (Original) The process of claim 17 wherein the end point of said oil stream is below about 288°C (550°F).